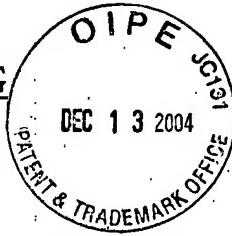


## RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/786,478

Source: 1 PWO

Date Processed by STIC: 8/23/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS: PLEASE USE THE **CHECKER VERSION 4.2 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/cbc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand-Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04): U.S. Patent and Trademark Office, 220 20<sup>th</sup> Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 03/17/04

RESENT AVAIL ABLE COPY



## Raw Sequence Listing Error Summary

ERROR DETECTEDSUGGESTED CORRECTIONSERIAL NUMBER: 10/786,498

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1. Wrapped Nucleic & Amino Acids: The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to :3; this will prevent "wrapping."
2. Invalid Line Length: The rules require that a line not exceed 72 characters in length. This includes white spaces.
3. Misaligned Amino Acid Numbering: The numbering under each 3rd amino acid is misaligned. Do not use tab codes between numbers; instead, use space characters; instead.
4. Non-ASCII: The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
5. Variable Length: Sequence(s) \_\_\_\_\_ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6. PatentIn 2.0 "bug": A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) \_\_\_\_\_. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
7. Skipped Sequences (OLD RULES): Sequence(s) \_\_\_\_\_ missing. If intentional, please insert the following lines for each skipped sequence:  
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
 (i) SEQUENCE CHARACTERISTICS: (Don't insert any subheadings under this heading).  
 (ii) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
 This sequence is intentionally skipped  
 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
8. Skipped Sequences (NEW RULES): Sequence(s) \_\_\_\_\_ missing. If intentional, please insert the following lines for each skipped sequence.  
 <210> sequence id number  
 <400> sequence id number  
 000
9. Use of n's or Xaa's (NEW RULES): Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
10. Invalid <213> Response: Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence.
11. Use of <220>: Sequence(s) \_\_\_\_\_ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
12. PatentIn 2.0 "bug": Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
13. Misuse of n/Xaa: "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



IFWO

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/786,478

DATE: 08/23/2004

TIME: 16:39:32

Input Set : A:\PRD2045NP-US SEQ LISTING 02-24-2004.8T25.txt  
 Output Set: N:\CRF4\08232004\J786478.raw

3 <110> APPLICANT: Chen, Jingcai  
 4 Kuel, Chester  
 5 Liu, Changlu W.  
 6 Lovernberg, Timothy W.  
 7 Sillard, Rannar W.  
 8 Sutton, Steven W.  
 10 <120> TITLE OF INVENTION: RELAXIN3-GPCR 135 COMPLEXES AND THEIR PRODUCTION AND USE  
 12 <130> FILE REFERENCE: PRD2045NP-US  
 C- > 14 <140> CURRENT APPLICATION NUMBER: US/10/786,478  
 C- > 14 <141> CURRENT FILING DATE: 2004-02-25  
 14 <150> PRIOR APPLICATION NUMBER: US 60/451,702  
 15 <151> PRIOR FILING DATE: 2003-03-04  
 17 <160> NUMBER OF SEQ ID NOS: 28  
 19 <170> SOFTWARE: PatentIn version 3.2  
 21 <210> SEQ ID NO: 1  
 22 <211> LENGTH: 40  
 23 <212> TYPE: DNA  
 24 <213> ORGANISM: Primer invalid <213> response. See item 10 on Error  
 26 <400> SEQUENCE: 1  
 27 acatctcgag gccaccatgc agatggccga tgcagccacg  
 30 <210> SEQ ID NO: 2  
 31 <211> LENGTH: 39  
 32 <212> TYPE: DNA  
 33 <213> ORGANISM: Primer same error  
 35 <400> SEQUENCE: 2  
 36 acatcatcta gatcagtagg cagagctgtt gggcagcag  
 39 <210> SEQ ID NO: 3  
 40 <211> LENGTH: 45  
 41 <212> TYPE: DNA  
 42 <213> ORGANISM: Primer  
 44 <400> SEQUENCE: 3  
 45 acgtatactcg aggcacccat gcagggtggct ttcgtcaaccc ccggcg  
 48 <210> SEQ ID NO: 4  
 49 <211> LENGTH: 41  
 50 <212> TYPE: DNA  
 51 <213> ORGANISM: Primer  
 53 <400> SEQUENCE: 4  
 54 acttagatcta gatcagtagg cagagctact agggagcagg t  
 57 <210> SEQ ID NO: 5  
 58 <211> LENGTH: 47  
 59 <212> TYPE: DNA  
 60 <213> ORGANISM: Primer  
 62 <400> SEQUENCE: 5

pp 1-2  
Do Not Comply  
Corrected Diskette Header

Summary  
Sheet

39

45

41



Page 2 of 7

## RNA SEQUENCE LISTING

PATENT APPLICATION: US/10/785-178

DATE: 08/23/2004

TIME: 16:39:32

**Input Set : A:\PRD2045NP-US SEQ LISTING 02-24-2004.ST25.txt**  
**Output Set: N:\CRF4\08232004\J786478.raw**

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 67 <211> LENGTH: 41  
 68 <212> TYPE: DNA  
 69 <213> ORGANISM: Primer  
 71 <400> SEQUENCE: 6

72 acgatatcta gatcgttggg cagatgtgtt agggagaagg t  
 75 <210> SEQ ID NO: 7

76 <211> LENGTH: 45  
 77 <212> TYPE: DNA  
 78 <213> ORGANISM: Primer

80 <400> SEQUENCE: 7

81 acgatactcg aggccaccaat gcaagtggct tctgcaccca ccgca

84 <210> SEQ ID NO: 8  
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 87 <213> ORGANISM: Homo sapiens  
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 94 gggttgtgc agcttccggg cttgtgtgg gagctgggc tggagttgcc ggacggcggc  
 96 ccgcaggad atccccccggg caggggggg gcagagagcg cggacacaga ggccccgggtg  
 98 cggatctca tcagegtgtt gtactgggt gtgtgcgc tgggttggc gggcaacctg  
 100 ctggttctct acctgtatgaa gggcatgcg ggttgcgcg agtcccttat caactcttc  
 102 gtcaccaacc tggcgatgtt gggacttccat tttgtgtca cctgcctt ctgggggggg  
 104 gagaacgttc ttgacttcaat tggcccttc gcaaggcata tgttaagat cgttccatg  
 106 gtgacgttca tgaacatgtt cggcagatgtt ttcttcctca ctgcctatgatgttgc  
 108 taccatccgg tggccctggc tctgaagatc caccggaccc gggacacgg cggggggc  
 110 tggcgccggc ggacgttggc ggacagatgtc tggatgttggc ccaaggcgt gtgtgtgtgg  
 112 atctggggctt tggccggcgat ggcctcgat cccatgttca tttcttcac cacgttcaag  
 114 gtgtatggcg aggagatgtt cctgggtgtt tttccggaca agttgttgggg cggcgc  
 116 cgttcttggc tggcccttca ccactcgatgtt aaggtgttgc tgggttgcgtt gtcggccgt  
 118 gycatattt tttgtgtca cctgtgtgtt gtgcgttca tggccggccgg cggccggc  
 120 gggaccaaaatggggggccgc ggttgcggc ggaatggccgatggccggc  
 122 ttgttgcggat tccaaatccatcgttccatgttccatgttgc  
 124 cccaaatccgg cgttccatcgttccatgttccatgttgc  
 126 tggaggattt tttgtgtca ggttataatgttccatgttgc  
 128 aacatgttca tcaacccatgttccatgttccatgttgc  
 130 aacatgttcaatgttccatgttccatgttgc  
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39 <210> SEQ ID NO: 9  
 40 <211> LENGTH: 1419  
 41 <212> TYPE: DNA  
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45 atgoatgttgg cttctgtcaac ccccgccggcc accgttggatgg aatgttgcggc  
 47 ctctcaatgttccatgttccatgttccatgttgc

The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

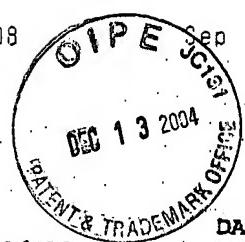
BEST AVAILABLE COPY

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/786,478

DATE: 08/23/2004

TIME: 16:39:32



Input Set : A:\PRD2045NP-US SEQ LISTING 02-24-2004.ST25.txt  
 Output Set: N:\CRF4\08232004\J786478.raw

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153	cggtatccca	tcagcgccgt	ttactgggtg	gtttgtcccc	tgggactggc	cggoaacctg	300
155	ctggttctct	acctgtatgaa	gagcaagcaa	ggttggcgca	aatctccat	aaacctcttt	360
157	gtcactaacc	tggcaactgac	tgacttttag	ttctgtgtca	ctctgtcccc	ttggggctgtg	420
159	gagaacgac	tagacttcaa	ggggcccttc	ggcaaggcca	tgtgttaagat	cgtgtccatg	480
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163	taccacttgg	tggccctggc	tctcaagagc	cattggaccc	gagggcgtgg	ccgtggggac	600
165	cgtgtccggcc	agagcttgag	ggagagctgc	tgtttttcag	ccaagggtgt	gtgtgggttg	660
167	atctgggttt	cggttgcgt	ggctctgtgt	cccaatggca	tttttccac	caccatcagg	720
169	gtgttgggtg	aggagctctg	cctcatgeac	tttccagaca	agctactggg	ctggggacagg	780
171	cagtctggc	tgggtttgtt	ccacotgcag	aagggtgtgc	tgggtttctt	gtgtccgttg	840
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175	gggacaaacag	atgcagttag	agcagcagca	gcgcctgggg	gaggcctgag	tacagccagc	960
177	gttaggagac	gttccaaagg	caccaatgtg	ggttgcattt	tgcgttctt	ttttttctgt	1020
179	tgttggctgc	ccaaaccaggc	gcttaccacc	tggagcatcc	tcatcaagtt	caaogccgtg	1080
181	cccttcagcc	aggagtactt	tcaatgtccaa	gtgtacgtt	tccatgttgc	cggtgtccgt	1140
183	gcccacttca	acagctgtct	caacccgtatc	ctctactgt	tagtgcgttgc	cgagttccgc	1200
185	ggggcgttca	agaacctgtt	gtggcgata	gcctcgcc	egtcaccaa	catgtccgcct	1260
187	ttdaccgcct	ccaccaaaagcc	agaacctgaa	gttccacggg	tgcaggccct	ggggccgttt	1320
189	aatgttgcgt	ccgttacatgt	cctgtatctac	tatccaccc	gtgttgggtt	ctacgtccgg	1380
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204	gttgcacaa	ggagcagca	tgcgtcgct	cagcttcagg	actttgtgg	ggagctgggg	180
206	ctggagttgc	ccgacgggtc	gggcgttgg	catttttttt	gttccgggtt	ggcagagagc	240
208	ggggacacatg	ggggcagggt	acggatcttc	atccatgttgc	ttttacttgg	gttttgcgtt	300
210	ctgggacttgg	ctggcaacat	gttgggttctc	tacctgtatgt	agagcaaa	gggttgcgtt	360
212	ttttttccatca	ttttttccatca	tgttgcataac	ctggcgctgt	ctgacttca	gttttgcgtt	420
214	actttgtccct	tctgggggtt	ggagaaatgt	ctatgtttca	atgttttttt	tggcaaggcc	480
216	atgtgtatgt	tgttatctat	gttgcacatcc	atgttgcgtt	atgtccatgt	cttttttttc	540
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220	cgccccatgt	ccgggtggcc	ctgttgcgtt	cttccatgttgc	cttccatgttgc	cttccatgttgc	660
222	cccaagggtgc	tgtgtggatt	gttccatgttgc	tcttccatgttgc	tagtttgcgtt	gttccatgttgc	720
224	tttttttcttca	ccaccatca	tgtgttgggtt	gagggtgtt	gttccatgttgc	cttccatgttgc	780
226	aaatgttgcgtt	gttggggatcc	gttgggttcttgc	tttttttttt	accacatgttgc	gttccatgttgc	840
228	ctgggtttcc	tgttgcgtt	gaggatccatc	atgtttgttt	accttttgcgtt	cttccatgttgc	900
230	atcttgcgtt	gcggcgatgt	ggggacaaacgt	gttccatgttgc	gttccatgttgc	gttccatgttgc	960
232	atgtatgttgc	gtgttgcgtt	gtgttgcgtt	gttccatgttgc	gttccatgttgc	gttccatgttgc	1020
234	tttttttttttt	tttttttttttt	tttttttttttt	tttttttttttt	tttttttttttt	tttttttttttt	1080
236	ttcaaacgttgc	tttttttttttt	tttttttttttt	tttttttttttt	tttttttttttt	tttttttttttt	1140
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240	cgcgatgttcc	tttttttttttt	tttttttttttt	tttttttttttt	tttttttttttt	tttttttttttt	1260
242	atgtatgttgc	tttttttttttt	tttttttttttt	tttttttttttt	tttttttttttt	tttttttttttt	1320

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## RAW SEQUENCE LISTING

DATE: 08/23/2004

PATENT APPLICATION: US/10/786,478

TIME: 16:39:32

Input Set : A:\PRD2045NP-US SEQ LISTING 02-24-2004.ET25.txt  
 Output Set: N:\CRF4\08232004\J786478.raw

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 259 gggttgtgc agtttcagga cttgtgtgg gagctggggc tggagggtgc ctaggtgcg 180  
 261 ggcctgggc atccccggg caggggtggg gcagagagog cggacacaga ggcaggta 240  
 263 cggatctea ttagcgtgtt ttactgggtg gtttgcggc tgggactggc tgccaaactg 300  
 265 ctgggtctct acctgatgaa gagcaaacag ggtggcgc aatccctccat taacctctt 360  
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 269 gggacgcac tagatttca gggcccttt ggcaaggccca tggtaatgt ctatctatg 480  
 271 gtgacatcca tgaatcatgtt tggccaggtc ttctttctca ctgtatgag tggggcgc 540  
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 275 tggcggggcc agagttggg ggagagctgc tggggatgg ccaagggtgt gtgtggattg 660  
 277 atctgggttt ctggcggat agcttcgtc cccatgtca tttttctac caccatcaat 720  
 279 gtgtggggcg aggagctgtg cctcatgcac ttccggaca agtctctggg tgggacgg 780  
 281 cgttctggc tgggtttgtt ccacctgcag aagggtgtgc tgggtcttct gctggcgctg 840  
 283 agoatcatca tgggtgttgc tctgttgcgtt gtgegttca tctccgaccc cggctgtgt 900  
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 289 cccaaaccaag cgtccaccac ctggagatc ctcatcaatgto aacatgtgt gccccttgc 1080  
 291 caggagtaat ttcagtgcctt agttacgcg ttcccagtca gctgtgtgcctt ggcacactcc 1140  
 293 aaacatgtcc tcaacccat cctctactgc ttagtgcgc gggatgttccg caagggtgtc 1200  
 295 aaaaacctgc tgggggttat agatcgctt tggccatcca gatggcccccttcc 1260  
 297 accaccaaggc cagaacctga agatcacggg ctgcaggccc tggcccaact tsatgtact 1320  
 299 gcagagccctg acctgatcta tataccccc ggtgtgtgg tctacagcgg aggtcgctac 1380  
 301 gacccctcc ttagcgtgtt tggctactga 1410  
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 305 <211> LENGTH: 469  
 306 <212> TYPE: PRT  
 307 <213> ORGANISM: Homo sapiens  
 309 <400> SEQUENCE: 12  
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 315 Gly Gly Asp Lys Leu Ala Glu Leu Phe Ser Leu Val Pro Asp Leu Leu  
 316 20 25 30  
 319 Glu Ala Ala Asn Thr Ser Gly Asn Ala Ser Leu Gln Leu Pro Asp Leu  
 320 35 40 45  
 323 Trp Trp Glu Leu Gly Leu Gly Leu Pro Asp Gly Ala Pro Pro Gly His  
 324 50 55 60  
 327 Pro Pro Gly Ser Gly Gly Ala Glu Ser Ala Asp Thr Glu Ala Arg Val  
 328 65 70 75 80  
 331 Arg Ile Leu Ile Ser Val Val Tyr Trp Val Val Cys Ala Leu Gly Leu  
 332 85 90 95  
 335 Ala Gly Asn Leu Leu Val Leu Tyr Leu Met Lys Ser Met Gln Gly Trp

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/786,478

DATE: 08/23/2004

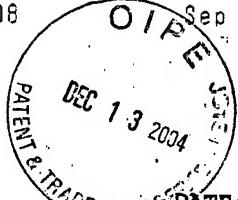
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 Output Set: N:\CRF4\08232004\J786478.raw

336	100	105	110
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340	115	120	125
343	Pho Gln Phe Val Leu Thr Leu Pro Phe Trp Ala Val Glu Asn Ala Leu		
344	130	135	140
347	Asp Phe Lys Trp Pro Phe Gly Lys Ala Met Cys Lys Ile Val Ser Met		
348	145	150	155
351	Val Thr Ser Met Asn Met Tyr Ala Ser Val Phe Phe Leu Thr Ala Met		
352	165	170	175
355	Ser Val Thr Arg Tyr His Ser Val Ala Ser Ala Leu Lys Ser His Arg		
356	180	185	190
359	Thr Arg Gly His Gly Arg Gly Asp Cys Cys Gly Arg Ser Lys Gly Asp		
360	195	200	205
363	Ser Cys Cys Phe Ser Ala Lys Ala Leu Cys Val Trp Ile Trp Ala Leu		
364	210	215	220
367	Ala Ala Leu Ala Ser Leu Pro Ser Ala Ile Phe Ser Thr Thr Val Lys		
368	225	230	235
371	240	245	250
372	Val Met Gly Glu Glu Leu Cys Leu Val Arg Phe Pro Asp Lys Leu Leu		
375	255	260	265
376	Gly Arg Asp Arg Gln Phe Trp Leu Gly Leu Tyr His Ser Gln Lys Val		
377	270	275	280
379	Leu Leu Gly Phe Val Leu Pro Leu Gly Ile Ile Ile Leu Cys Tyr Leu		
380	285	290	295
383	Leu Leu Val Arg Phe Ile Ala Asp Arg Arg Ala Ala Gly Thr Lys Gly		
384	300	305	310
387	Gly Ala Ala Val Ala Gly Gly Arg Pro Thr Gly Ala Ser Ala Arg Arg		
388	320	325	330
391	335	340	345
392	Leu Ser Lys Val Thr Lys Ser Val Thr Ile Val Val Leu Ser Phe Phe		
395	350	355	360
396	365	370	375
399	380	385	390
400	395	400	405
403	410	415	420
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408	450	455	460
411	465	470	472
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432	LENGTH: 472		

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## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/786,478 DATE: 08/23/2004

TIME: 16:39:33

Input Set : A:\PRD2045NP-US SEQ LISTING 02-24-2004.5T25.txt  
Output Set: N:\CRF4\08232004\J786478.raw14 M:270 C: Current Application Number differs, Replaced Current Application No.  
14 M:271 C: Current Filing Date differs, Replaced Current Filing Date.

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